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AI Overview

A Venn diagram is **a visual tool that uses overlapping circles or other shapes to illustrate the logical relationships between two or more sets of data**. The overlapping sections display shared traits or intersections, while the non-overlapping areas highlight unique differences. Lucid Software +1

Key Components

- **Universal Set:** The entire group or boundary containing all the data being considered.
- **Sets:** Distinct categories represented by individual circles.
- **Intersection:** The overlapping area where sets share common elements.
- **Symmetric Difference:** The regions unique to each individual set. Canva +2

Common Uses

Venn diagrams are widely used across mathematics, linguistics, statistics, and business to compare concepts, analyze probability, and classify data. For example, they can be used to compare the overlapping features of two products, analyze customer demographics, or sort numeric data (e.g., categorizing numbers that are both multiples of 5 and multiples of 6 in the overlapping middle). Lucid Software +1

Popular Creation Tools

You can quickly build and format Venn diagrams using several accessible digital platforms:

- **Canva:** Access free customizable layouts with the Canva Venn Diagram Maker.
- **Lucidchart:** Design and map out complex multi-set data using the Lucidchart Venn Diagram Tutorial.
- **Venngage:** Choose from hundreds of preset infographic styles on Venngage Venn

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Venn diagram

A Venn diagram is a widely used diagram style **that shows the logical relation between sets**, popularized by John Venn (1834–1923) in the 1880s.

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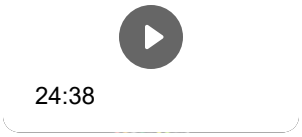

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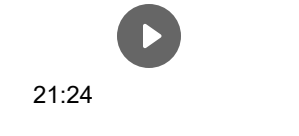

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Venn diagrams are often used to show logical relationships between a finite number of sets. In a Venn diagram, the outer rectangle represents the universal set, ...

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